



June 11, 2015

Mr. Andrew Park, Project Manager
Corrective Action Section
RCRA Programs Branch
U.S. Environmental Protection Agency Region 2
290 Broadway, 22nd FL.
New York, NY 10007-1866

RE: Response to EPA and NJDEP Email Dated May 12, 2015, concerning the AOC-4
Dredge Spoils Area Remedial Investigation Report dated September 28, 2012

Dear Mr. Park:

Hess Corporation is in receipt of your May 12, 2015 email correspondence and incorporated NJDEP comments regarding the AOC-4 Dredge Spoils Area Remedial Investigation Report dated September 28, 2012. Comments and responses are provided below.

NJDEP Comment 1:

Was the boring saturated from about 3' bgs to TD, or did groundwater recover to the depth identified in the TW-boring prior to sampling?

Response:

Depth to water in the borings was observed to range from 3.0 to 4.8 feet below ground surface at the time of installation of the temporary wells, and before sampling. Depth to water ranged from 8.54 to 9.58 after purging/sampling, as identified in the attached Table.

NJDEP Comment 2:

Explain groundwater grab sample procedure – was the sample collected within the top 2' of the water column, or was the sampling device lowered to be within the interval that identified potential impact?

Response:

After installation, temporary wells were gauged with an interface probe prior to pump installation. Purging and sampling was conducted via bladder pump, as required by the facility's Health & Safety procedures. Pump intake depth was variable and dependent upon field observations, however was generally placed within 2 feet of the suspected impact and/or location of soil sample collection. Soil sample collection was biased towards zone of greatest suspected impact.

NJDEP Comment 3:

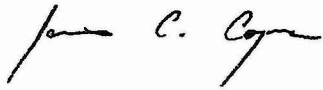
What was the general time between air knife, TW- installation and sampling? Air knifing may affect VOC water quality near or within the air knife interval. Results may be biased low.

Response:

Average time between soil sampling and groundwater grab sampling was less than ten minutes. Documentation as to time between air knife and soil sample collection varied, but was approximately half an hour.

Please contact John Schenkewitz at 732-750-6616 with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "James C. Coyne". The signature is fluid and cursive, with the first name "James" written in a stylized, elongated script.

James Coyne
Regional Operations Manager

Cc: Phil Cole, NJDEP (3 Copies)
Nidal Azzim, USEPA Region II
John Schenkewitz, Hess (Enfos)



Hess Corporation Former Port Reading Complex
750 Cliff Rd
Port Reading, New Jersey
Area of Concern 4 - Dredge Spoils
Temporary Well Sampling Data Sheet

Well / Purge Information								
Well ID	DS-TW-1	DS-TW-2	DS-TW-3	DS-TW-4	DS-TW-5	DS-TW-6	DS-TW-7	DS-TW-8
State Well Permit #	----	----	----	----	----	---	---	---
Well Diameter (inches)	1	1	1	1	1	1	1	1
Depth to Separate Phase Hydrocarbon (SPH) from TOC (ft.)	--	--	--	--	--	--	--	--
Depth to Water from TOC (ft.) (before purging)	4.81	4.51	3.09	4.29	4.81	3.80	3.55	3.20
Purge Method (pump used)	bladder	bladder	bladder	bladder	bladder	bladder	bladder	bladder
Depth to Water from TOC (ft.) (after purge)	9.22	9.04	8.54	9.23	9.21	9.42	9.23	9.58
Sampling Method	bladder pump	bladder pump	bladder pump	bladder pump	bladder pump	bladder pump	bladder pump	bladder pump
Time of Sampling (start/end)	9:40	9:58	10:37	11:02	11:36	12:04	13:26	14:08
pH before Purge	9.45	10.16	10.50	10.71	8.78	9.62	8.30	8.45
Temp. before Purge (°C)	21.5	20.0	19.9	19.5	19.1	19.4	20.3	21.0
Diss. Oxygen before Purge (ppm)	0.60	0.42	0.61	0.60	0.35	0.12	0.41	0.27
Cond. before Purge (mS/cm)	0.326	0.421	0.226	0.241	0.226	0.399	0.211	1.27
pH after Purge	9.38	9.82	9.92	9.54	9.60	9.37	8.20	8.35
Temp. after Purge (°C)	21.4	19.9	19.8	19.4	18.9	19.2	20.1	20.8
Diss. Oxygen after Purge (ppm)	0.68	0.31	0.43	0.54	0.11	0.11	2.18	0.15
Cond. after Purge (mS/cm)	0.319	0.430	0.221	0.228	0.230	0.401	0.687	1.43
pH at Sample	9.31	9.63	9.84	9.27	9.51	9.51	8.45	8.37
Temp. at Sample (°C)	21.2	19.1	19.4	19.1	18.8	18.8	19.8	20.6
Diss. Oxygen at Sample (ppm)	0.52	0.26	0.47	0.55	0.08	0.08	2.06	0.11
Cond. at Sample (mS/cm)	0.317	0.430	0.221	0.230	0.230	0.230	0.688	0.168
